Ruilin Wang

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QA & TEST AUTOMATION | PYTHON | API & WEB TESTING

PROFILE

ISTQB CTFL-certified tester with a software-testing internship, paid client technical support, and client-capstone QA experience. Combines requirement-based manual checks, Python API regression, browser automation, and clear Jira defect reporting.

TECHNICAL SKILLS

Testing: Manual functional testing, regression, negative/boundary testing, pytest, Playwright, Vitest, unittest, TDD

API & Data: Python, Flask test client, REST/JSON, SQL, SQLite, Pandas, test fixtures, coverage.py

Collaboration: Jira, Git/PR review, GitHub Actions configuration, Docker, Linux, requirements traceability

EXPERIENCE

Software Testing Intern | Hefei Xuran Information Technology

Dec 2024 - Feb 2025

- Executed manual login, data-entry, and reporting tests; documented reproducible Jira defects and followed fixes with developers.

Computer Support Technician | Luxtronic

Sydney, NSW, Australia | Jun 2025 - Jul 2026

- Provided on-site and remote Windows/Office support, password-reset help, hardware diagnostics, and clear client guidance.

SELECTED PROJECTS

OpenET 2 - Client Research Toolkit

Project Owner & Developer | UNSW client capstone | May 2026 - Aug 2026

- Clarified client deliverables in writing and linked 10 requirements to implementation and test evidence; used a test-first approach for Python data workflows.
- Led Codex-assisted browser testing and responsive fixes. Recorded verification: 32 offline checks passed / 1 skipped; 35 cases across three browsers yielded 105 passing executions.

Movie REST API - Regression & Access Control

Sole developer | Academic project | Feb 2026 - May 2026

- Built a Flask/SQLite API and 24 passing pytest cases covering authorization, malformed imports, private resources, pagination, and exports; API statement coverage was 89.3%.

SafeguardAI - Web & Data Testing

Team lead and technical/test contributor | Academic project | Feb 2026 - May 2026

- Coordinated work in Jira and validated 18 Vitest plus 16 unittest checks covering report rendering, data cleaning, missing fields, and request fallbacks.

EDUCATION & CERTIFICATIONS

Master of Information Technology

UNSW Sydney | Feb 2025 - Sep 2026

Bachelor of Science in Computing Science, Minor in Mathematics

University of Alberta | Sep 2020 - Dec 2024

ISTQB Certified Tester Foundation Level (CTFL)

Microsoft Certified: Power BI Data Analyst Associate (PL-300)

Test snapshot: 6 Sep 2026. OpenET skipped original-client-data validation. SafeguardAI: 13 Cypress scenarios defined but not run; full service integration not verified.